

Docket No.: CISCO-4509

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

Xinli Gu et al.

SERIAL NO.:

10/041,109

FILING DATE:

January 4, 2002

TITLE:

Resolving LBIST Timing Violations

EXAMINER:

Unassigned

ART UNIT:

2858

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450, on the date printed below:

Beatrice Orozco

FEB 1 3 2004

COMMISSIONER FOR PATENTS P.O. Box 1450, ALEXANDRIA, VA 22313-1450 Technology Center 2100

INFORMATION DISCLOSURE STATEMENT

Each item of information listed in the attached FORM PTO-1449, for which a copy of each is attached, may be material to the examination of the above-identified application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR §§ 1.56, 1.97 and 1.98. The Examiner is requested to make these items of official record in this application.

Docket No.: CISCO-4509

This Information Disclosure Statement under 37 CFR §§ 1.56, 1.97 and 1.98 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these items constitutes prior art.

Ι

This statement is filed pursuant to:

(X) 37 C.F.R. § 1.97(b).

This information disclosure statement is filed either (1) within three months of the filing date of a national application other than a continued prosecution application under §1.53(d); (2) within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application; (3) before the mailing date of a first office action on the merits, or (4) before the mailing of a first office action after the filing of a Request for Continued Examination under 37 C.F.R. § 1.114, whichever event occurs last.

Accordingly, this information disclosure statement requires no fee and no certification.

() 37 C.F.R. § 1.97(c).

This information disclosure statement is filed after the period specified in 37 C.F.R. § 1.97 (b), but before the mailing date of either (1) a final action under 37 C.F.R. § 1.113; (2) a notice of allowance under 37 C.F.R. § 1.311; or (3) an action that otherwise closes prosecution in the application.

Accordingly, this information disclosure statement requires either the fee specified in 37 C.F.R. § 1.17 (p) for submission of an information disclosure statement under 37 C.F.R. § 1.97 (c) (\$180); or a certification according to 37 C.F.R. § 1.97 (e).

() 37 C.F.R. § 1.97(d).

This information disclosure statement is filed after the period specified in 37 C.F.R. § 1.97 (c).

Accordingly, this information disclosure statement requires the fee specified in 37 C.F.R. § 1.17 (p) to consider an information disclosure statement under 37 C.F.R. § 1.97(d) (\$180), and a certification according to 37 C.F.R. § 1.97(e).

If this statement crosses in the mail with an office action, or is otherwise not in the indicated category of 37 C.F.R. § 1.97, it is respectfully requested that this statement be treated in the next appropriate category and made of record. To the extent required, please treat this paper as a conditional petition for acceptance of the information disclosure statement.

Docket No.: CISCO-4509

II

/ 47 .		•		
1 X 1	No	tee	10	due.
(X)	110	100	10	uuc.

The fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c) is enclosed (\$180).

Please charge any additional required fee or credit any overpayment to our deposit account number 50-1698.

Ш

Pursuant to 37 C.F.R. § 1.97(e), I certify:

- (X) No certification is necessary.
- () (1) Each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information statement; or
- (2) No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c), more than three months prior to the filing of the statement.

Respectfully submitted, THELEN REID & PRIEST LLP

David B. Ritchie Reg. No. 31,562

THELEN REID & PRIEST LLP

P.O. Box 640640 San Jose, CA 95164-0640

Telephone: (408) 292-5800

Facsimile: (408) 287-8040

Form PTO 1449 (Rev. 2-32) U.S. Department of Commerce						Atty. Docket No. Serial No.: 10/041,					
					CISCO-	4509					
		Patent and Trade	mark Office		A ==1:==	-4. V:-1: C					
Information Disclosure Statement by Applicant					Applicant: Xinli Gu et al.						
	Intornation Disclosure Statement by Applicant				Filed: January 4, 2002 Group: 2858						
		(Use several sh	eets if necessar	y)							
				HC D-44 D	4-						
Init.	Ι	Document No. Date		U.S. Patent Documents Name		Class	Subclass	Subclass Filing			
11111.	A	5,912,901	6/15/1999	Adams et al.		371	22.5		3/24/1997		
	A	3,912,901	0/13/1999	Additis et al.		3/1 22.3		3/24/1997			
-											
	<u> </u>		_	- ***		_					
									-		
							REC	=IVE	D		
					-		" -				
							FEB	<u> 3 2004</u>	1		
	-					<u> </u>					
-							Technolog	y Center	2100		
	 				,						
	J	J	_1								
				Foreign Documer	ıts						
							Y		ranslation		
Init.		Document No.	Date	Country	Class Su		Subclass	Yes	No		
		Other D	ocuments (Inc	luding Author, Title,	, Date, Per	tinent Page	es, etc.)				
	В	Gu et al., "A Fast	Timing Closure	Technique for Indust	rial Use of	Logic BIST	", May 2001,	pp. 1-10.			
	C Hetherington et al., "Logic BIST for Large Industrial Designs: Real Issues and Case Studies", ITC										
	International Test Conference, 1999, pp. 358-367.										
	D Nakao et al., "Low Overhead Test Point Insertion for Scan-Based BIST", 1999, pp. 348-357. E Cheng et al., "Timing-Driven Test Point Insertion for Full-Scan and Partial-Scan BIST", 1995, pp. 506-514.										
	E	Cheng et al., "Tim	ning-Driven Tes	t Point Insertion for F	ull-Scan an	d Partial-So	an BIST", 19	95, pp. 506	5-514.		
				- "	•	-		-			
Exami	iner			100		Date Con	sidered				
		(a) 1 (C a) - 1 ()	and colored		form	ith MDCD	600, D 1:	theaust -	vitation if		
				r not citation is in con					manon H		